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FORM**

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Total Number of Pages in This Submission

28

Application Number

10/612,112

Filing Date

08/02/2003

First Named Inventor

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Art Unit

2859

Examiner Name

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Attorney Docket Number

ENCLOSURES (Check all that apply)☐

Fee Transmittal Form

☐

Fee Attached

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Amendment/Reply

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After Final

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Affidavits/declaration(s)

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Extension of Time Request

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Express Abandonment Request

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Information Disclosure Statement

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Certified Copy of Priority Document(s)

☐Response to Missing Parts/
Incomplete Application☐Response to Missing Parts
under 37 CFR 1.52 or 1.53☐

Drawing(s)

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Licensing-related Papers

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Petition

☐Petition to Convert to a
Provisional Application☐

Power of Attorney, Revocation

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Change of Correspondence Address

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Terminal Disclaimer

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☐After Allowance communication
to Technology Center (TC)☐Appeal Communication to Board
of Appeals and Interferences☐Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)☐

Proprietary Information

☐

Status Letter

☐Other Enclosure(s) (please
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Remarks

In Response to communication
at 09/14/2004**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**Firm
or
Individual name

Jacob Fraden, Advanced Monitors Corporation

Signature

Date

9/14/04

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In The Claims:

This listing of claims will replace all prior versions and listings of respective claims in the application:

1. (Currently Amended) A probe of a medical instrument that is intended for insertion into a patient's body orifice, such probe has an inner surface and the outer surface which is shaped to contain at least one cavity encircled by a ridge.
2. (Currently Amended) A probe of claim 1 where said cavity is covered by outer thin skin that is permanently attached to said ~~outer surface~~ ridge.
3. (Cancelled)
4. (Currently Amended) A probe of claim 3 ~~1~~ where said which contains multiple cavities being are randomly distributed along said outer surface.
5. (Original) A probe of claim 1 is fabricated of material having low thermal conductivity
6. (Original) A probe of claim 1 further comprises a polymer probe cover that envelopes said outer surface.
7. (Original) A method of thermal insulation of a medical probe, comprising a step of forming indentations on the outer surface of the probe.
8. (Currently Amended) A method of thermal insulation of a medical probe of claim 7, further comprising a step of covering said indentations with a layer of thin protective material having low thermal conductivity.